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OM nucleic - nucleic search, using sw model

Run on: July 8, 2004, 04:25:15 ; Search time 126 seconds
(without alignments)
7077,826 Million cell updates/sec

Title: US-10-089-862-1

Perfect score: 1607

Sequence: 1 cctaattctctgagctga.....atgataaaaaaaaaaaaaa 1607

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/2/ina/5A.COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B.COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A.COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B.COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|--------|-------------|--------|----|---------------------|
| 1 | 1387.6 | 86.3 | 1430 | 4 | US-09-157-864-3 |
| 2 | 1072.4 | 66.7 | 1550 | 4 | US-09-157-864-1 |
| 3 | 962 | 59.9 | 1260 | 3 | US-09-286-529-10 |
| 4 | 957.6 | 59.6 | 1717 | 3 | US-09-153-927-11 |
| 5 | 957.6 | 59.6 | 1717 | 4 | US-10-082-260-1 |
| 6 | 957.6 | 59.6 | 1717 | 4 | US-08-815-783-1 |
| 7 | 957.6 | 59.6 | 1717 | 4 | US-09-879-919-1 |
| 8 | 856.8 | 53.3 | 1187 | 3 | US-08-883-086-1 |
| 9 | 841.8 | 52.4 | 1077 | 4 | US-09-866-028-75 |
| 10 | 765.6 | 47.6 | 1305 | 4 | US-08-815-783-3 |
| 11 | 756.6 | 47.1 | 1281 | 4 | US-10-082-260-3 |
| 12 | 756.6 | 47.1 | 1281 | 4 | US-09-879-919-3 |
| 13 | 710.8 | 44.2 | 1126 | 4 | US-09-879-919-12 |
| 14 | 67.8 | 4.7 | 7218 | 1 | US-08-232-433-14 |
| 15 | 42.6 | 2.7 | 7218 | 1 | US-08-232-433-14 |
| 16 | 41.2 | 2.6 | 53526 | 3 | US-08-658-136-2 |
| 17 | 41.2 | 2.6 | 53577 | 3 | US-08-658-136-1 |
| 18 | 39.2 | 2.4 | 289 | 3 | US-09-007-005-17 |
| 19 | 39.2 | 2.4 | 289 | 3 | US-09-244-796-17 |
| 20 | 38.4 | 2.4 | 2093 | 4 | US-09-620-312D-999 |
| 21 | 38.2 | 2.4 | 1798 | 4 | US-08-687-631B-1 |
| 22 | 37.8 | 2.4 | 438 | 4 | US-09-252-991A-8422 |
| 23 | 37.8 | 2.4 | 474 | 4 | US-09-252-991A-8385 |
| 24 | 37.8 | 2.4 | 1761 | 4 | US-09-252-991A-8423 |
| 25 | 37.6 | 2.3 | 2015 | 4 | US-09-023-655-1105 |
| 26 | 36.6 | 2.3 | 505 | 4 | US-09-621-976-15639 |
| 27 | 36.6 | 2.3 | 661 | 4 | US-09-205-258-79 |

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|---|----|------|-----|--------|---|----------------------|--------------------|
| C | 28 | 36 | 2.2 | 1978 | 1 | US-07-753-520B-2 | Sequence 2, Appl1 |
| | 29 | 36 | 2.2 | 2525 | 4 | US-09-620-312D-1044 | Sequence 1044, Ap |
| C | 30 | 36 | 2.2 | 9115 | 1 | US-07-753-520B-3 | Sequence 3, Appl1 |
| | 31 | 35.8 | 2.2 | 430 | 4 | US-09-621-976-16656 | Sequence 16656, A |
| C | 32 | 35.6 | 2.2 | 348 | 4 | US-09-621-976-16137 | Sequence 16137, A |
| | 33 | 35.6 | 2.2 | 604 | 4 | US-09-334-818A-8 | Sequence 8, Appl1 |
| C | 34 | 35.6 | 2.2 | 675 | 4 | US-09-800-729-21 | Sequence 21, Appl1 |
| | 35 | 35.6 | 2.2 | 118067 | 4 | US-09-497-855A-32 | Sequence 32, Appl1 |
| C | 36 | 35.4 | 2.2 | 1305 | 4 | US-09-252-991A-8472 | Sequence 8472, Ap |
| | 37 | 35.4 | 2.2 | 1368 | 4 | US-09-252-991A-8408 | Sequence 8408, Ap |
| C | 38 | 35.4 | 2.2 | 162450 | 4 | US-09-345-882-1 | Sequence 1, Appl1 |
| | 39 | 35.2 | 2.2 | 240 | 4 | US-09-621-976-11148 | Sequence 11148, A |
| C | 40 | 35.2 | 2.2 | 72604 | 4 | US-09-268-992-7 | Sequence 7, Appl1 |
| | 41 | 35.2 | 2.2 | 72604 | 4 | US-09-657-474-7 | Sequence 7, Appl1 |
| C | 42 | 34.8 | 2.2 | 1047 | 4 | US-09-252-991A-10875 | Sequence 10875, A |
| | 43 | 34.6 | 2.2 | 507 | 4 | US-09-489-039A-1200 | Sequence 1200, Ap |
| C | 44 | 34.6 | 2.2 | 516 | 4 | US-09-489-039A-1064 | Sequence 1064, Ap |
| C | 45 | 34.6 | 2.2 | 537 | 4 | US-09-489-039A-1065 | Sequence 1065, Ap |

ALIGNMENTS

RESULT 1
US-09-157-864-3
; Sequence 3, Application US/09157864
; Patent No. 6440694
; GENERAL INFORMATION:
; APPLICANT: Bienkowski, Michael J
; APPLICANT: Mills, Cynthia J
; APPLICANT: Jones, David A
; TITLE OF INVENTION: TNF-Related Death Ligand
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacia & Upjohn, Intellectual Property
; ADDRESSEE: Legal Services
; STREET: 301 Henrietta Street
; CITY: Kalamazoo
; STATE: MI
; COUNTRY: USA
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 Diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/157,864
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerber, Lori L.
; REGISTRATION NUMBER: 41,113
; REFERENCE/DOCKET NUMBER: 6111.N CNI
; TELEPHONE: 616/833-0974
; TELEFAX: 616/833-8897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-157-864-3

Query Match 86.3%; Score 1387.6; DB 4; Length 1430;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1390; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 214 CCACCTTCGAACCCAGCTGTGCAGGTCCTCCAGCTCAGCTGATCTCTCTTT 273
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Db 21 CCGCGCTTGAAACACACAGCTGTTGGCAGGCTGCCAGCTCATGCGAGCTCATCTCTCTTT 80
Qy 274 CTTGCTAGCCCCAAAGGGCTCCAGCAACATGGGGGGCCAGTGCAGAGAGCCGCACT 333
Db 81 CTTGCTAGCCCCAAAGGGCTCCAGCAACATGGGGGGCCAGTGCAGAGAGCCGCACT 140
Qy 334 CTGAGTGGCCCTCTGTTGAGTTGGGGGAGCTCTGGGGGCGGTGCTTGTGCTATGTC 393
Db 141 CTCAGTTGCCCCCTCTGTTGAGTTGGGGGAGCTCTGGGGGCGGTGCTTGTGCTATGTC 200
Qy 394 TCTGCTGACCCCAACACAGAGCTGCAGAGCTCAGAGAGAGTGGCGGCTGCAGAGG 453
Db 201 TCTGCTGACCCCAACACAGAGCTGCAGAGCTCAGAGAGAGTGGCGGCTGCAGAGG 260
Qy 454 GACAGAGGCCCCCTCCAGATGGGAGGATTCCTGGCAGAGTCTCCGAGAGCAGAG 513
Db 261 GACAGAGGCCCCCTCCAGATGGGAGGATTCCTGGCAGAGTCTCCGAGAGCAGAG 320
Qy 514 TTCGATGCCCTGGAAGCTGGGGAATGGGAGAGATCCCGGAAAGGAGAGAGTGTCT 573
Db 321 TTCGATGCCCTGGAAGCTGGGGAATGGGAGAGATCCCGGAAAGGAGAGAGTGTCT 380
Qy 574 CACCCAAAACAGAGAGAGCAGCTCTGCTCAGCTGCTTCCATTAACGCCACCTC 633
Db 381 CACCCAAAACAGAGAGAGCAGCTCTGCTCAGCTGCTTCCATTAACGCCACCTC 440
Qy 634 CAAGGATCACTCCGATGTGACAGAGTGTGCAACCACTCTTAGGCGTGGAGAGG 693
Db 441 CAAGGATCACTCCGATGTGACAGAGTGTGCAACCACTCTTAGGCGTGGAGAGG 500
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Db 501 CTTACAGGCCCCAGAGATGTTGTCGATCCAGATCTCGAGTGTATCTGCTGTATAG 560
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Db 561 CCAGTCTCTGTTTCAAGACGTGACTTTTCAACATGGGTGAGTGTCTCGAGAGGCCA 620
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Db 621 AGGAAGGAGGAGACTTATTCGATGTATAGAGATGATGCTCCACCCGAGCCGGC 680
Qy 874 CTACAGAGCTCTATAGCGAGTGTCTTCCATTTACCAAGGGATATCTGAGTGT 933
Db 681 CTACAGAGCTCTATAGCGAGTGTCTTCCATTTACCAAGGGATATCTGAGTGT 740
Qy 934 CATATTCGCCGGCAAGGGCGAACTTAACTCTCTCCACATGGAACCTTCTGAGT 993
Db 741 CATATTCGCCGGCAAGGGCGAACTTAACTCTCTCCACATGGAACCTTCTGAGT 800
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Db 921 GCATCCAGAACAGCACCATCTAGCGCCGCTCGAGGAGACCCGCGGTTGGCGG 980
Qy 1174 AAGTCCACGAAGCGCCCTCTGCTAGGGGAAACCCCTGTTTCCATGCGCACCTCTCT 1233
Db 981 AAGTCCACGAAGCGCCCTCTGCTAGGGGAAACCCCTGTTTCCATGCGCACCTCTCT 1040
Qy 1234 CCAGTGGCCCTCTGCTCTTCCACAGAGAGCTTATCTAGCTCTTCTTCCCATC 1293
Db 1041 CCAGTGGCCCTCTGCTCTTCCACAGAGAGCTTATCTAGCTCTTCTTCCCATC 1100
Qy 1294 TATCGGACCCCAAGTTTCCATCACTATCTCCAGAGATGTAGTATTATGCGCCGCTTACA 1353
Db 1101 TATCGGACCCCAAGTTTCCATCACTATCTCCAGAGATGTAGTATTATGCGCCGCTTACA 1160

RESULT 2

US-09-157-864-1
; Sequence 1, Application US/09157864
; Patent No. 6440694
; GENERAL INFORMATION:
; APPLICANT: Bienkowski, Michael J
; APPLICANT: Mills, Cynthia J
; APPLICANT: Jones, David A
; TITLE OF INVENTION: TNF-Related Death Ligand
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacia & Upjohn, Intellectual Property
; ADDRESSEE: Legal Services
; STREET: 301 Henrietta Street
; CITY: Kalamazoo
; STATE: MI
; COUNTRY: USA
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 Diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/157,864
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerber, Lori L.
; REGISTRATION NUMBER: 41,113
; REFERENCE/DOCKET NUMBER: 6111.N CN1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 616/833-0974
; TELEFAX: 616/833-8897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1550 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-09-157-864-1

Query Match 66.7%; Score 1072.4; DB 4; Length 1550;
Best Local Similarity 84.8%; Pred. No. 1.6e-312;
Matches 1350; Conservative 0; Mismatches 11; Indels 231; Gaps 4;

Qy 193 CCCCGCCACCTCTTGTGTACCCCACTTTGAAACCAACAGCTGTGGCAGGTCCTCCAGCT 252
Db 9 CCCCGATCCCGCTGTGTACCCCACTTTGAAACCAACAGCTGTGGCAGGTCCTCCAGCT 68

